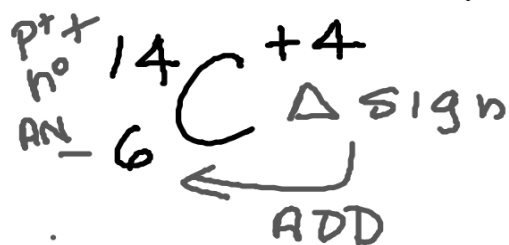


ELEMENT QUIZLET CHECK

NUCLIDE SYMBOLS



$$\begin{array}{l} p^+ \\ n^0 \\ e^- \end{array} \begin{array}{l} \underline{6} \\ \underline{14-6=8} \\ \underline{-4+6=2} \end{array}$$

Hyphen
NOTATION
C-14



$$\begin{array}{l} p^+ \\ n^0 \\ e^- \end{array} \begin{array}{l} \underline{11} \\ \underline{21-11=10} \\ \underline{-1+11=10} \end{array}$$

Na-21

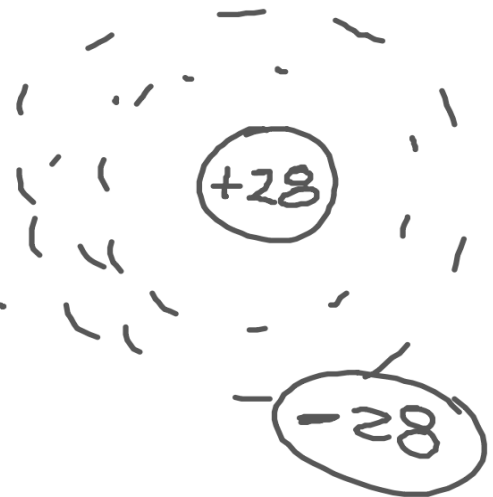
Why IS AN ATOM NEUTRAL?



$$P^+ = \underline{28}$$

$$n^0 = \underline{60 - 28} = 32$$

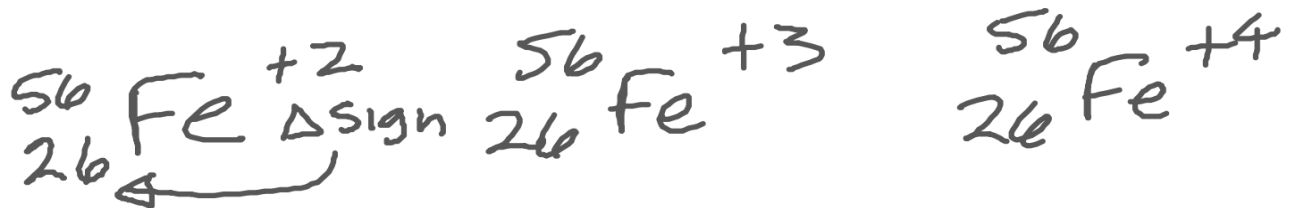
$$e^- = \underline{28}$$



What makes AN ISOTOPE?

	C-12	C-13	C-14
p ⁺	<u>6</u>	<u>6</u>	<u>6</u>
n ^o	<u>12-6=6</u>	<u>13-6=7</u>	<u>14-6=8</u>
# of <u>n^o</u>	Δ in an isotope		

What makes an ion?



$$p^+ \quad 26$$

$$26$$

$$26$$

$$n^0 \quad \underline{56 - 26 = 30}$$

$$\underline{30}$$

$$\underline{30}$$

$$e^- \quad \underline{26 - 2 = 24} \quad \underline{26 - 3 = 23} \quad \underline{26 - 4 = 22}$$

e^- 's make an ion

81 ⁻¹
35 BR Δ sign

p + 35

n \circ 81 - 35 = 46

e $^-$ 35 + 1 = 36